

FIG. 1 (PRIOR ART)

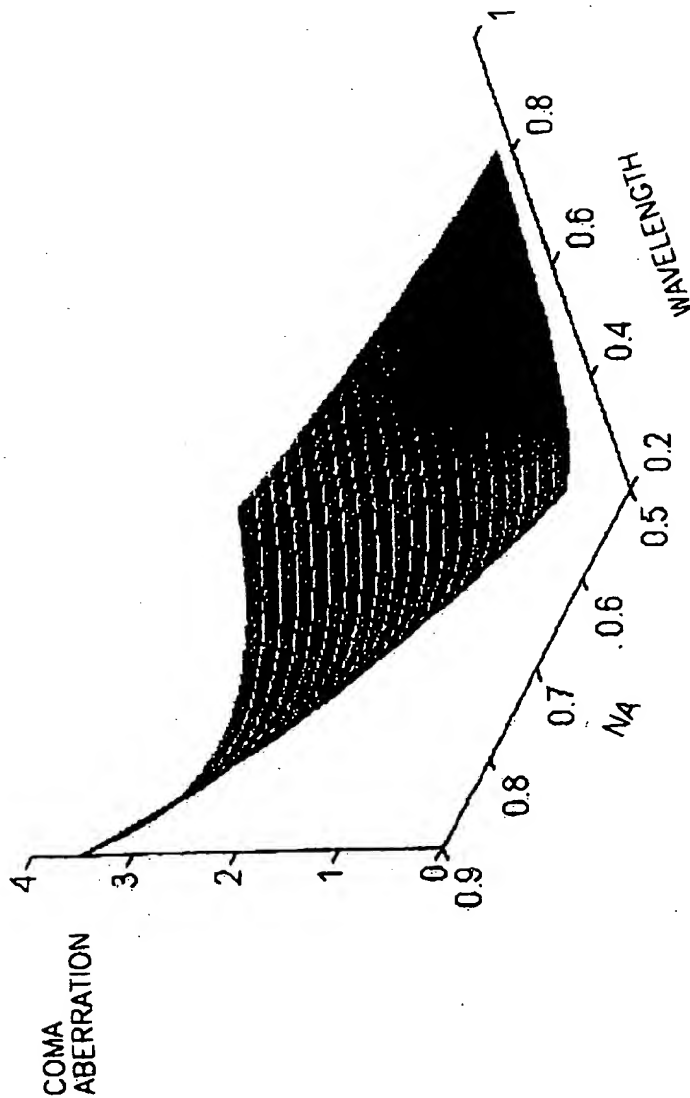


FIG. 2 (PRIOR ART)

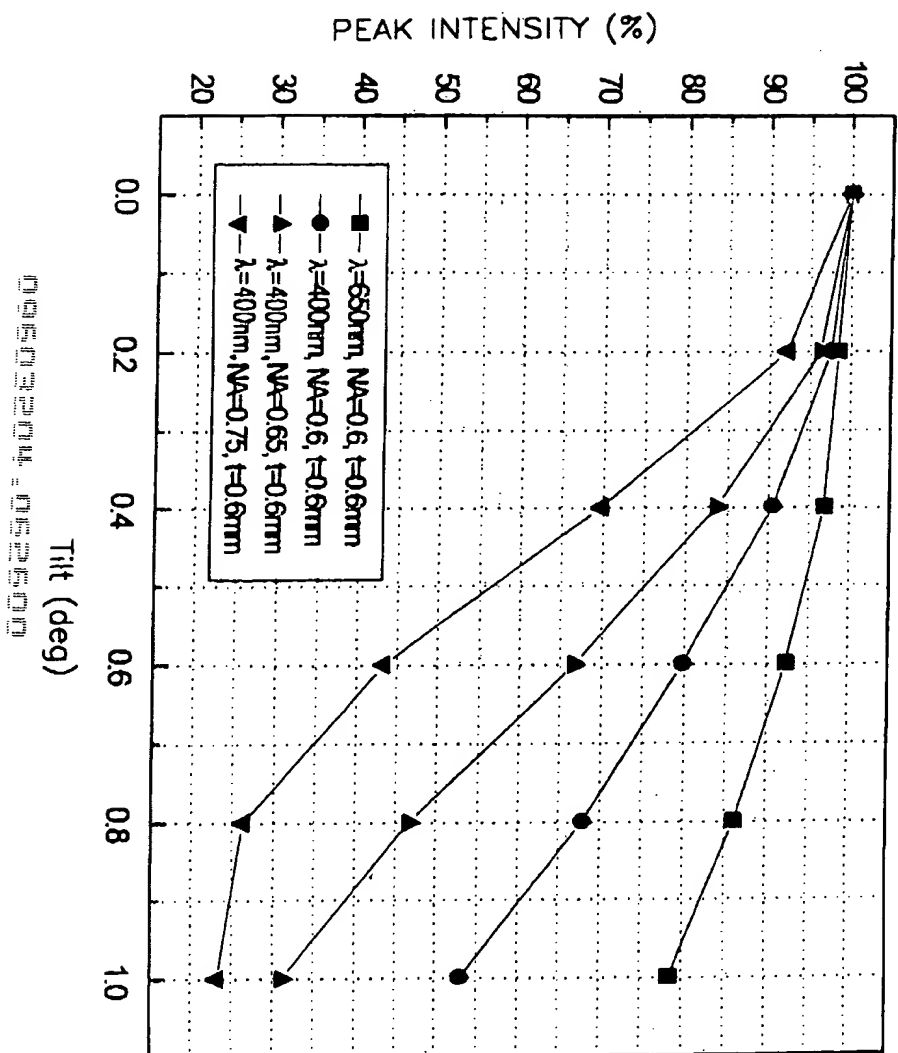


FIG. 3 (PRIOR ART)

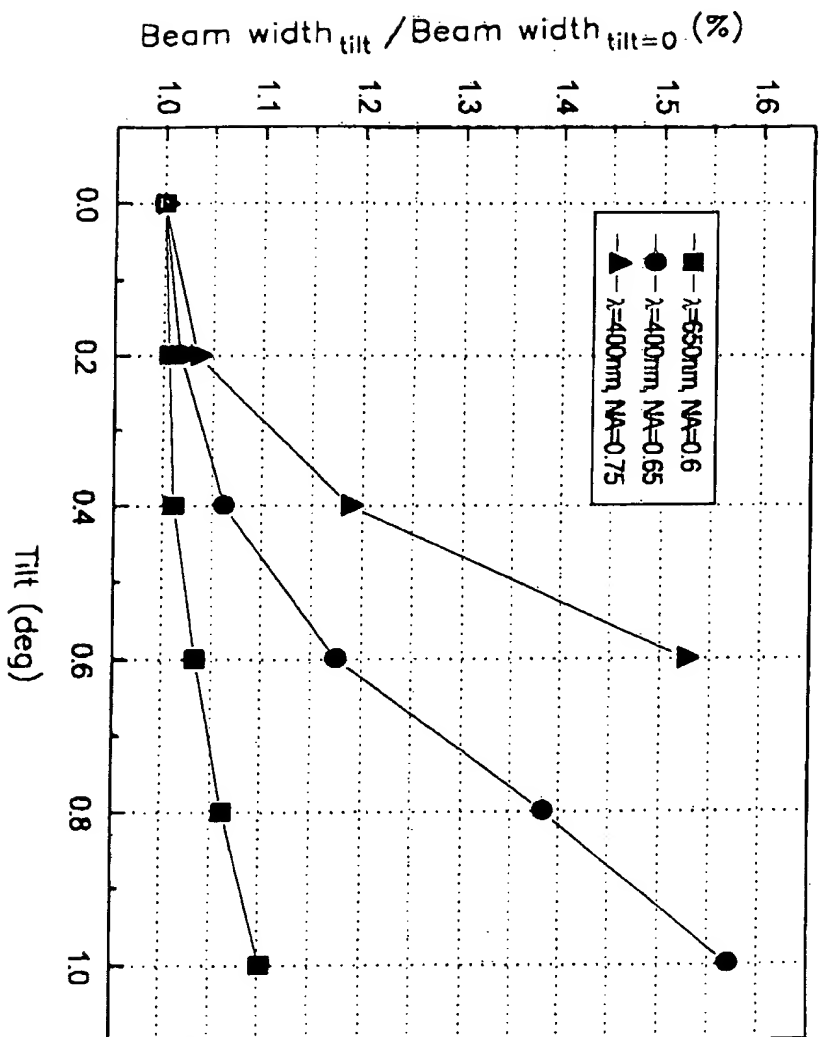


FIG. 4 (PRIOR ART)

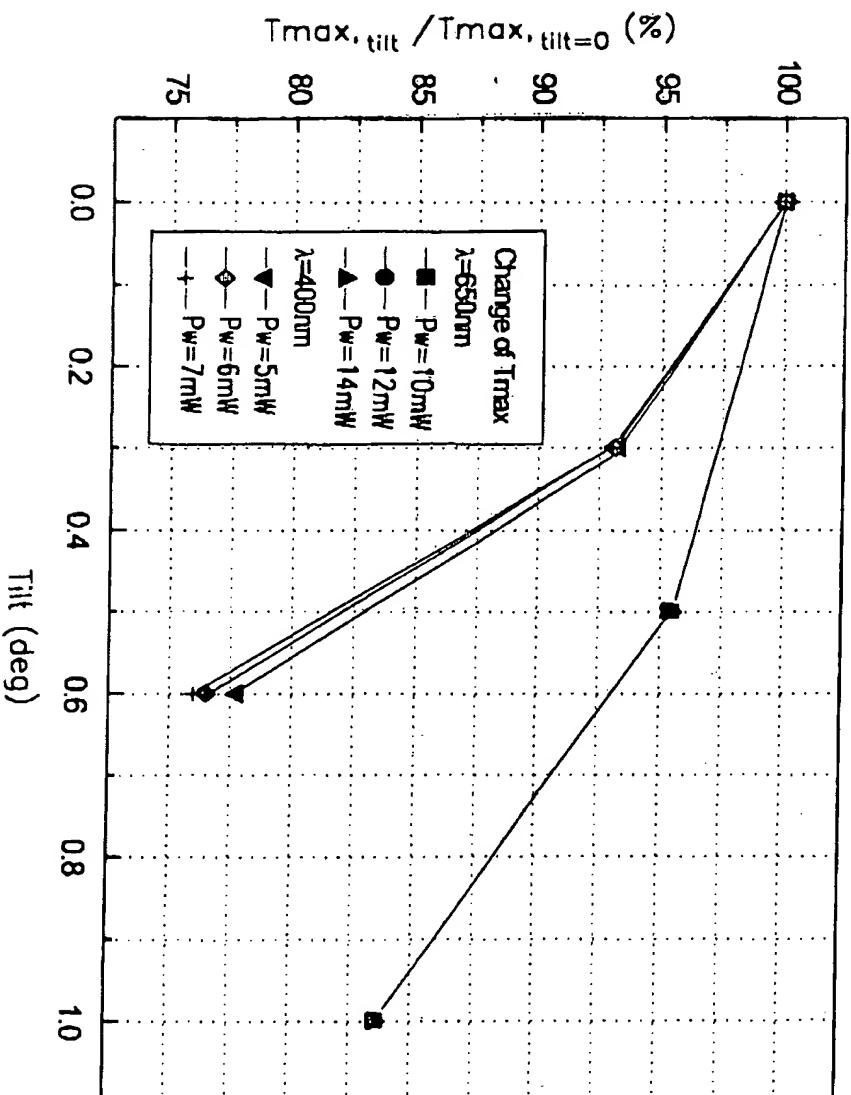
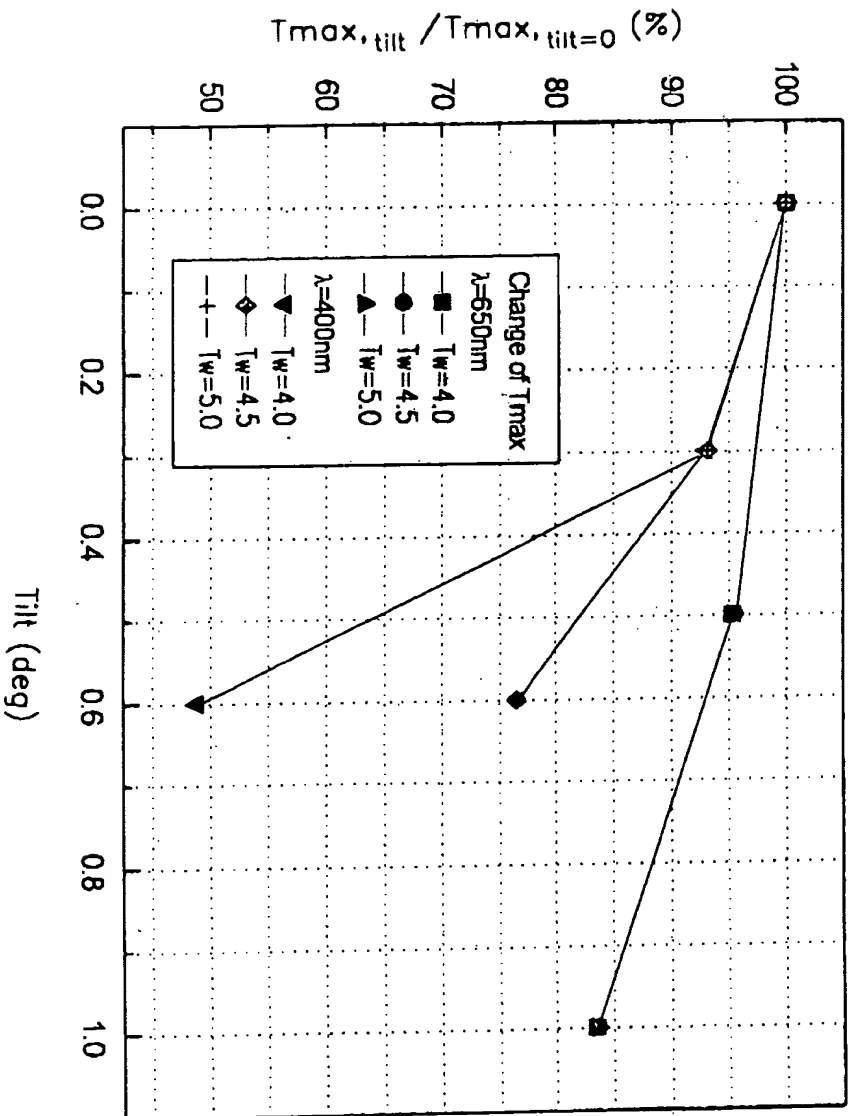


FIG. 5 (PRIOR ART)



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FIG. 6 (PRIOR ART)

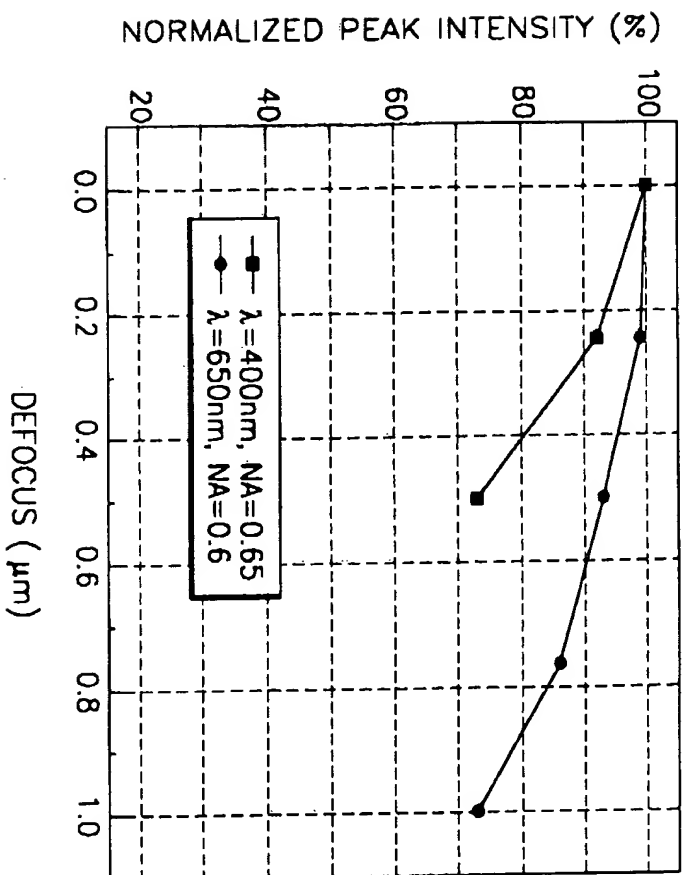


FIG. 7 (PRIOR ART)

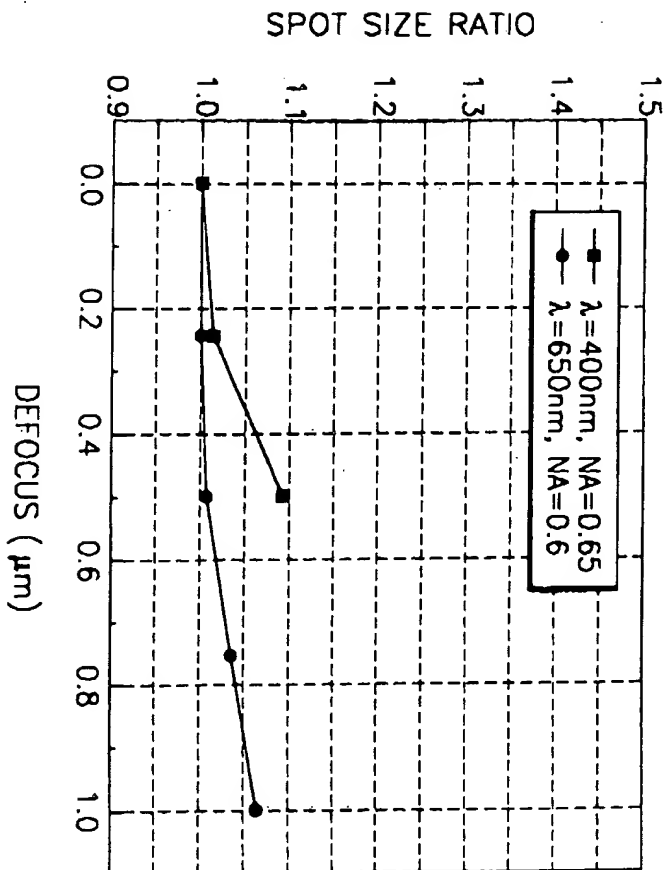
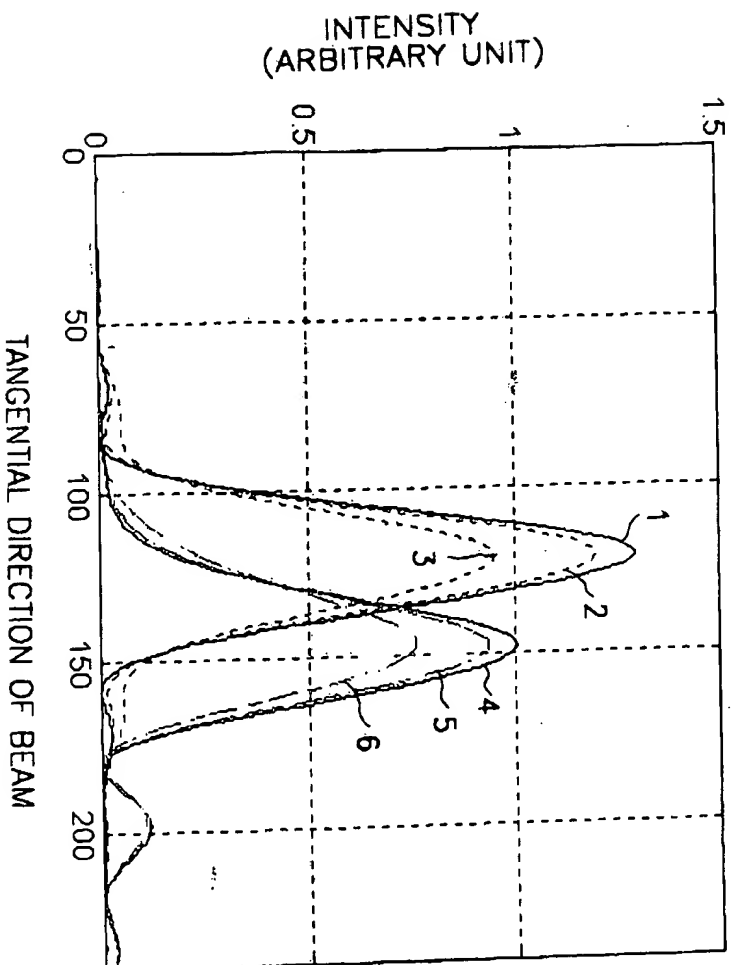
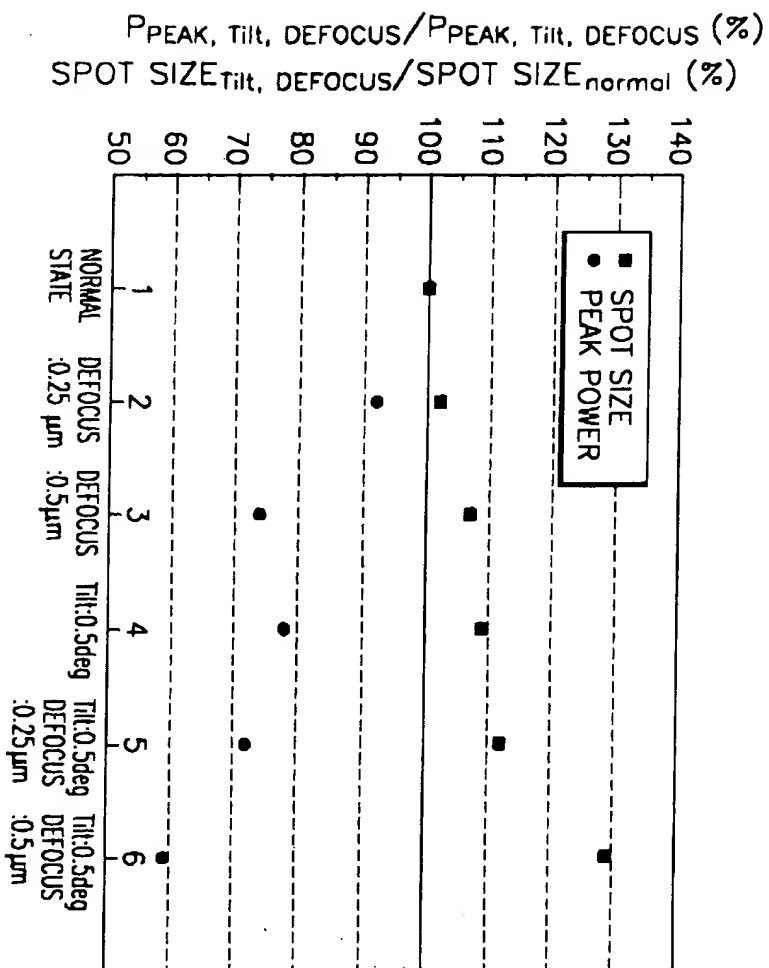


FIG. 8 (PRIOR ART)



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FIG. 9 (PRIOR ART)



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FIG. 10

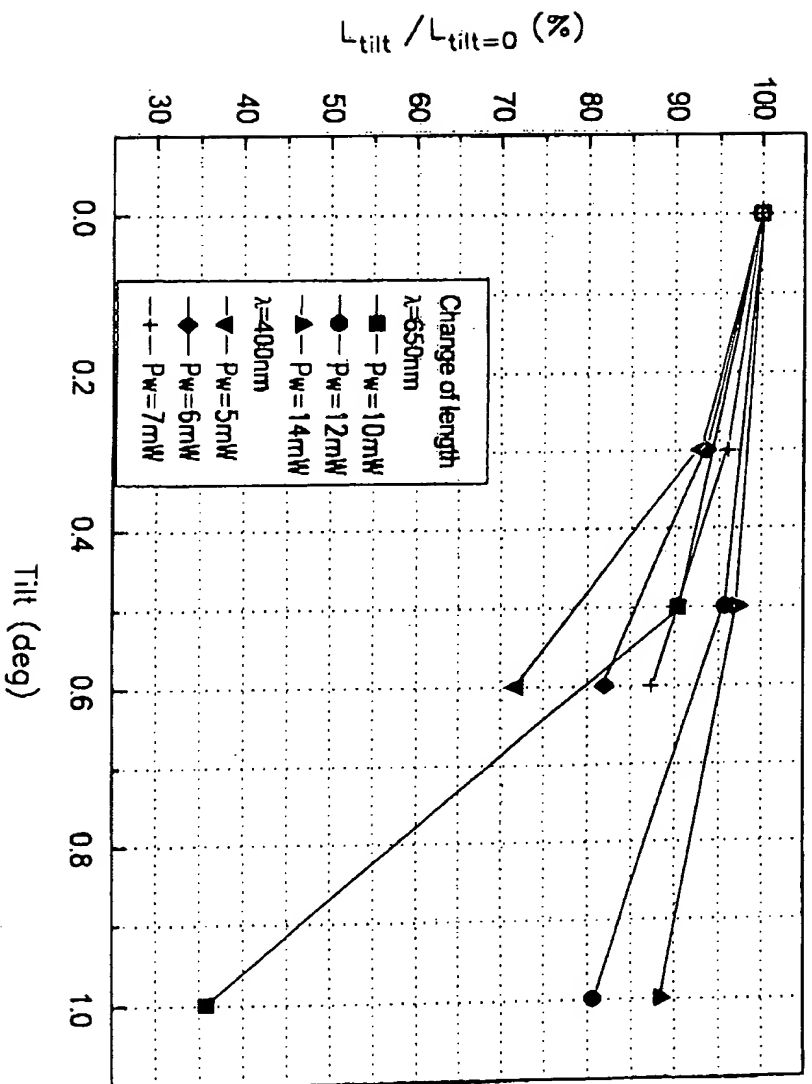


FIG. 11

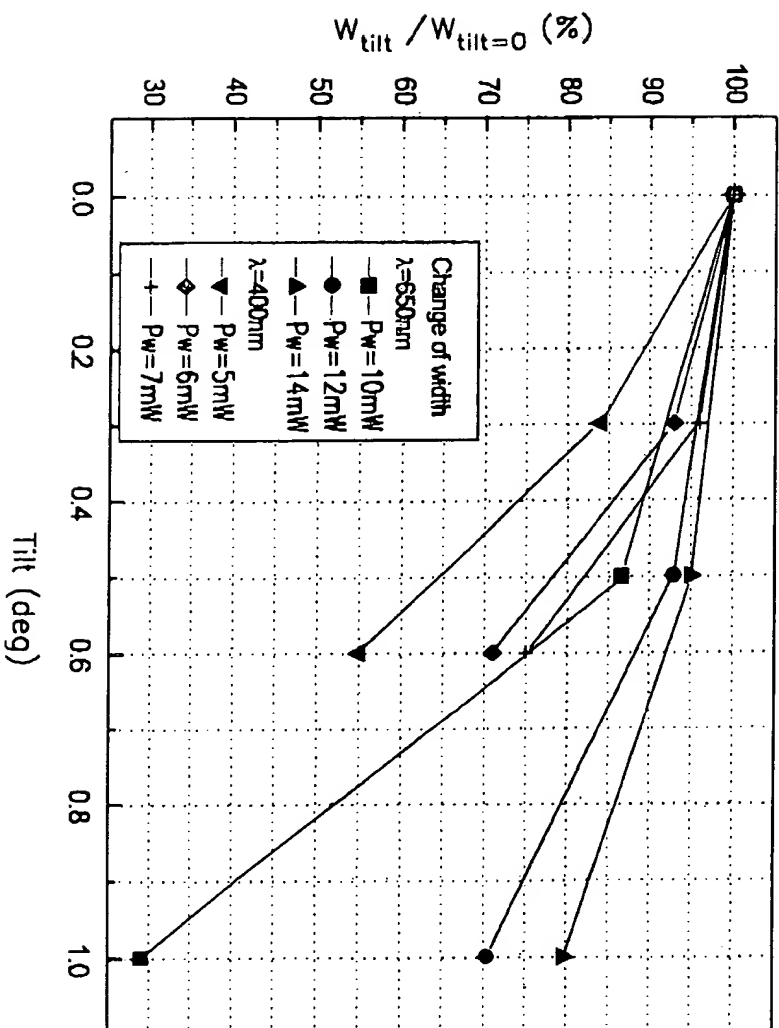


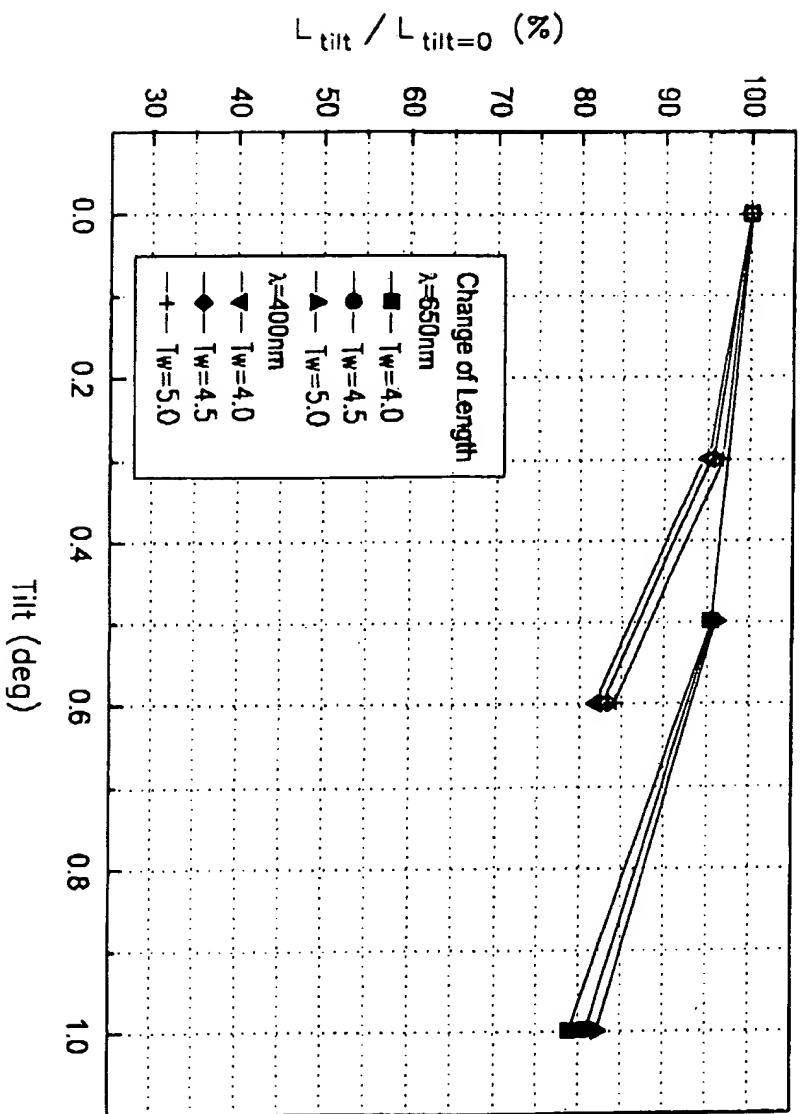
FIG. 12A

Pw (mW)	Tilt (deg)	Tmax (C)	L (nm)	W (nm)
10	0	754.6	755.5	345.2
	0.5	720.0	682.9	298.7
	1.0	630.7	248.6	96.3
12	0	901.9	926.6	484.1
	0.5	860.7	887.5	450.0
	1.0	753.9	747.3	340.5
14	0	1048.9	1026.5	577.9
	0.5	1000.7	997.7	548.7
	1.0	876.6	907.1	459.8

FIG. 12B

Pw (mW)	Tilt (deg)	Tmax (C)	L (nm)	W (nm)
5	0	834.0	518.1	277.9
	0.3	778.1	493.8	240.9
	0.6	648.7	381.0	156.6
6	0	987.1	575.8	325.6
	0.3	919.2	551.3	310.6
	0.6	755.3	479.9	238.1
7	0	1141.9	615.0	368.6
	0.3	1062.2	590.7	356.0
	0.6	867.9	537.3	282.2

FIG. 13



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FIG. 14

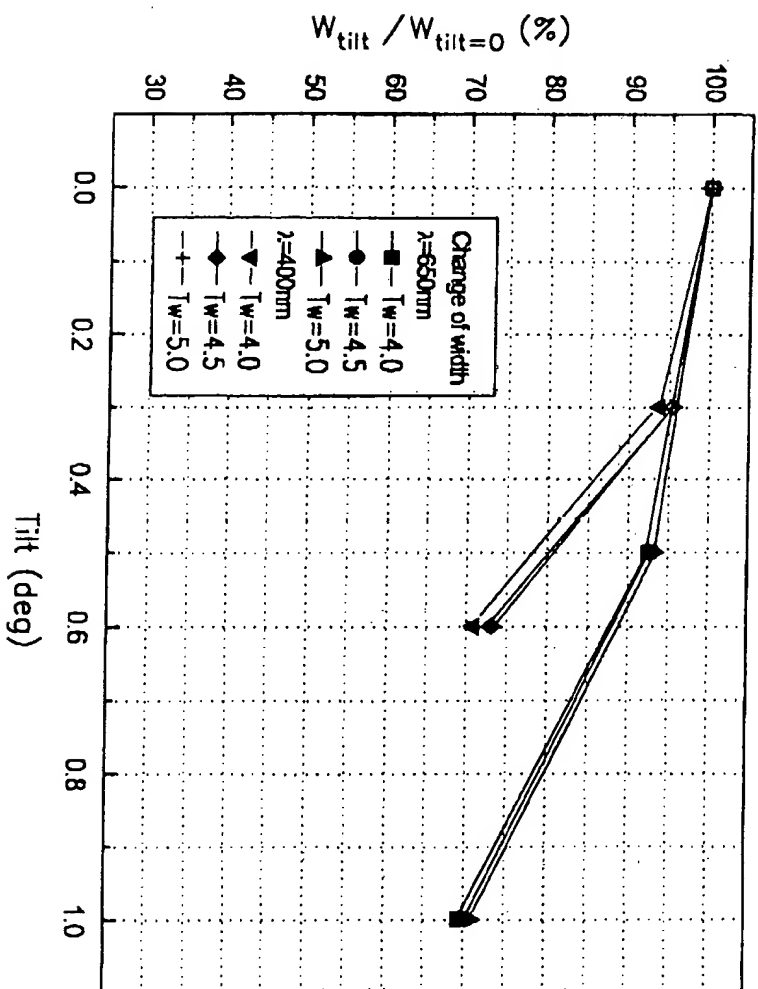


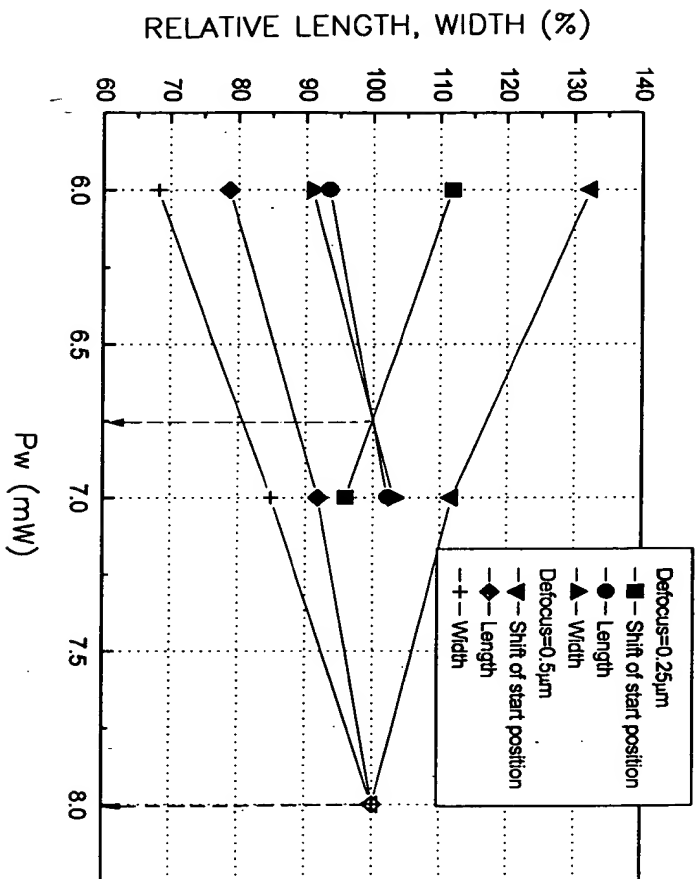
FIG. 15A

Pw (mW)	Tilt (deg)	Tmax (C)	L (nm)	W (nm)
4Tw	0	895.8	853.8	477.1
	0.5	853.8	814.5	441.6
	1.0	747.6	673.2	330.6
4.5Tw	0	901.9	926.6	484.1
	0.5	860.7	887.5	450.0
	1.0	753.9	747.3	340.5
5Tw	0	908.7	998.2	490.3
	0.5	866.2	959.1	456.8
	1.0	759.5	820.1	347.3

FIG. 15B

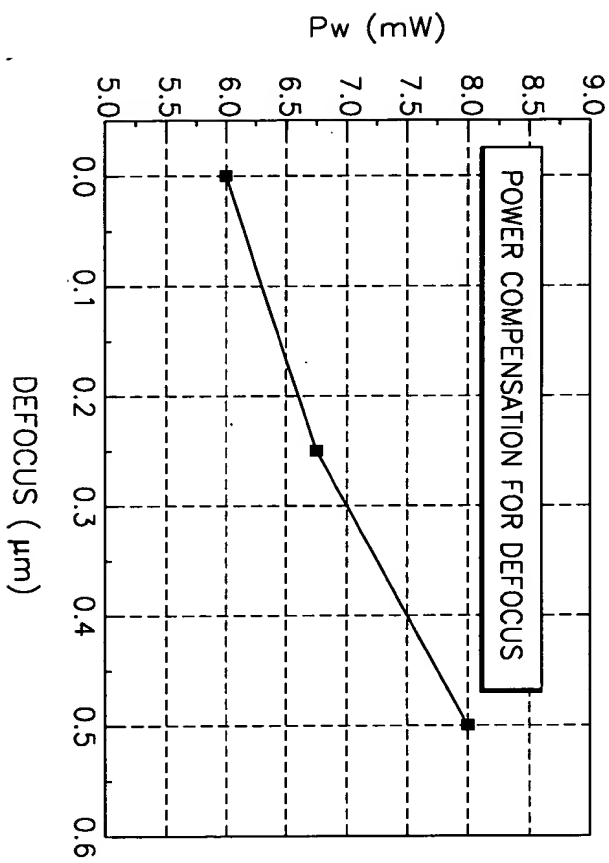
Pw (mW)	Tilt (deg)	Tmax (C)	L (nm)	W (nm)
4Tw	0	980.6	538.2	323.8
	0.5	912.0	512.0	303.4
	1.0	748.9	441.0	229.5
4.5Tw	0	987.1	575.8	325.6
	0.5	919.2	551.3	310.6
	1.0	755.3	479.9	238.1
5Tw	0	993.3	612.3	329.0
	0.5	925.2	592.7	315.2
	1.0	760.1	516.3	241.2

FIG. 16



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FIG. 17



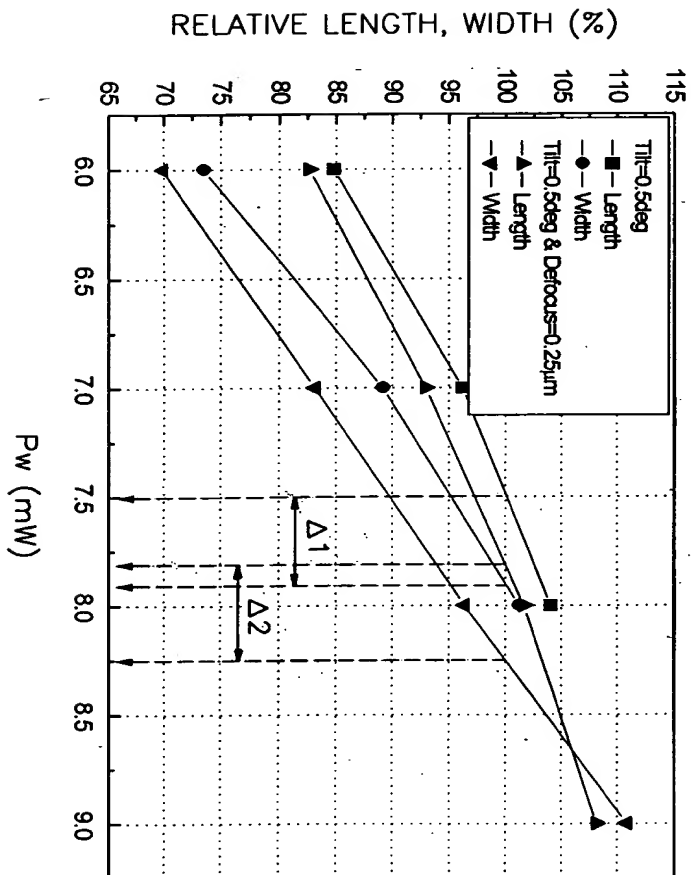
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FIG. 18

Tilt P _w		0°	0.5°	0.5°+0.25μm DEFOCUS
6mw	SHIFT OF RECORDING POSITION	0	0.293	0.293
	LENGTH	0.515	0.439	0.439
	WIDTH	0.231	0.174	0.174
7mw	SHIFT OF RECORDING POSITION	—	0.262	0.262
	LENGTH		0.496	0.496
	WIDTH		0.214	0.214
8mw	SHIFT OF RECORDING POSITION		0.245	0.704
	LENGTH		0.535	0.090
	WIDTH		0.242	0.051
9mw	SHIFT OF RECORDING POSITION		—	0.700
	LENGTH			0.372
	WIDTH			0.107

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FIG. 19



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FIG. 20

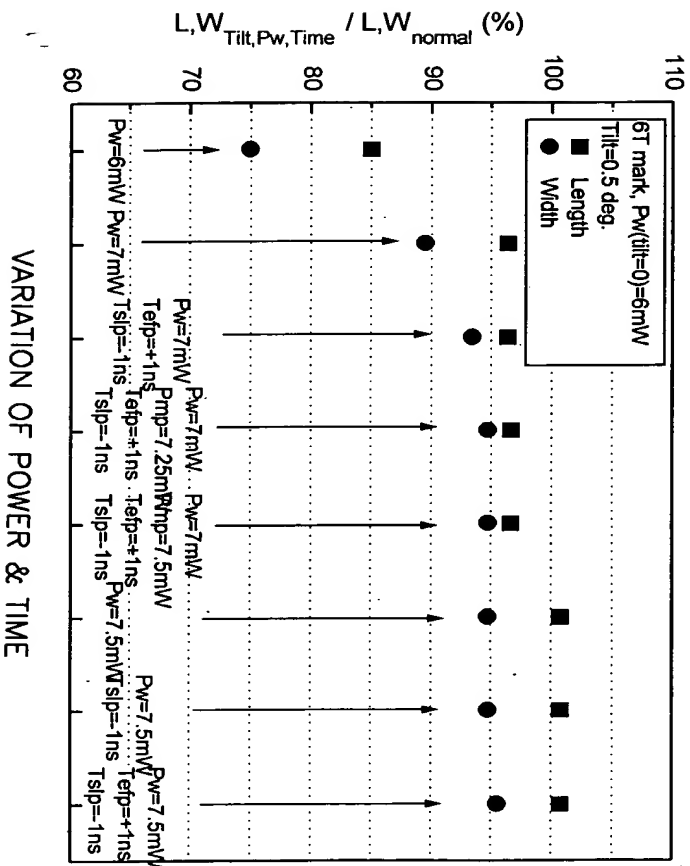
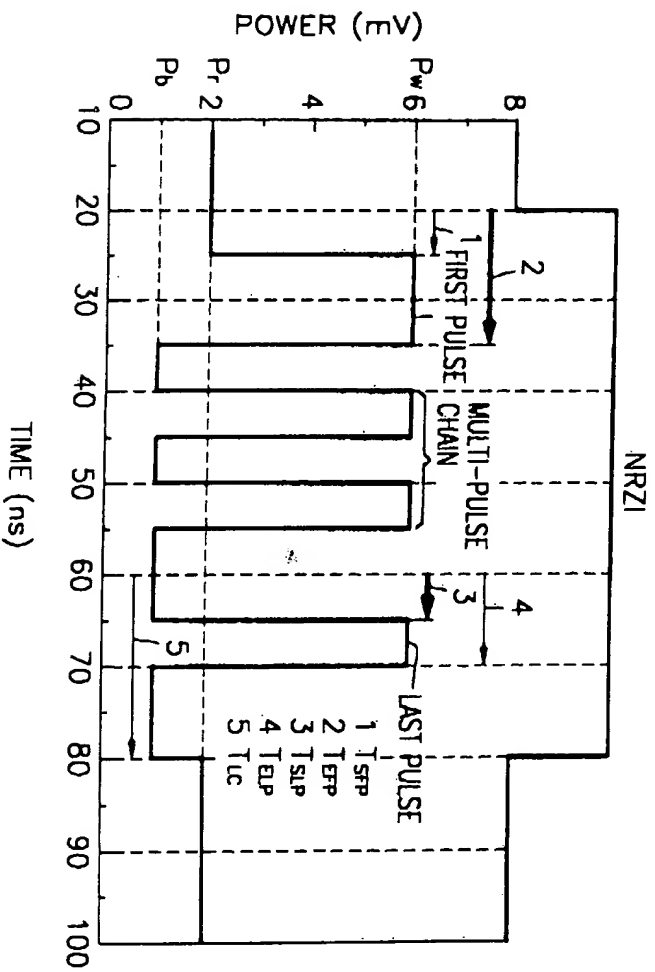


FIG. 21A

FIG. 21B



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FIG. 22

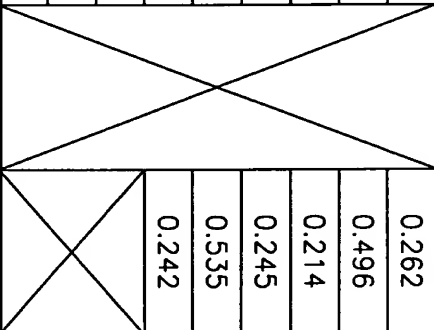
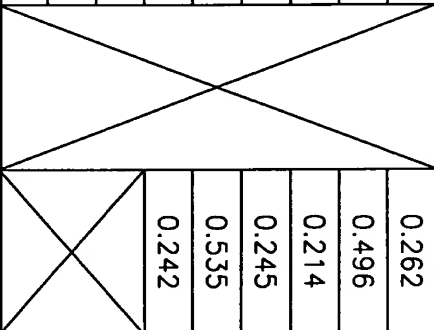
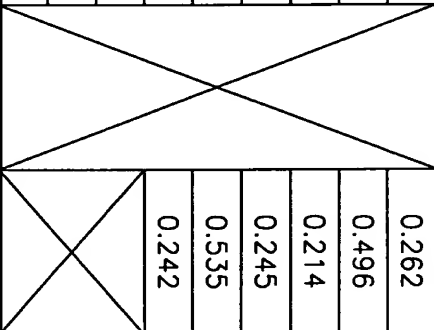
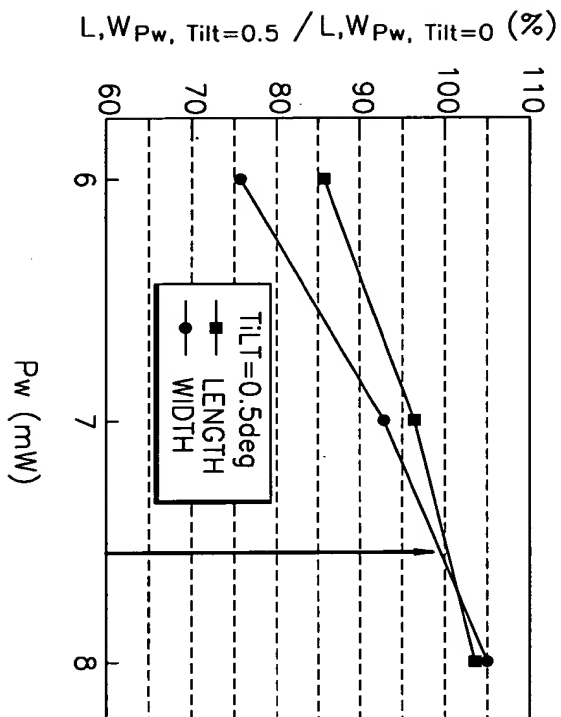
Pw		Tilt		0°	0.5°	1.0°	
		MEASURED ITEM					
6mw	SHIFT OF RECORDING POSITION		0	0.293	NO RECORD		
	LENGTH		0.515	0.439			
	WIDTH		0.231	0.174			
	SHIFT OF RECORDING POSITION			0.262			
7mw	LENGTH						
	WIDTH						
	SHIFT OF RECORDING POSITION						
	LENGTH						
8mw	WIDTH						
	SHIFT OF RECORDING POSITION						
	LENGTH						
	WIDTH						
9mw	SHIFT OF RECORDING POSITION						
	LENGTH						
	WIDTH						
	SHIFT OF RECORDING POSITION						

FIG. 23



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FIG. 24

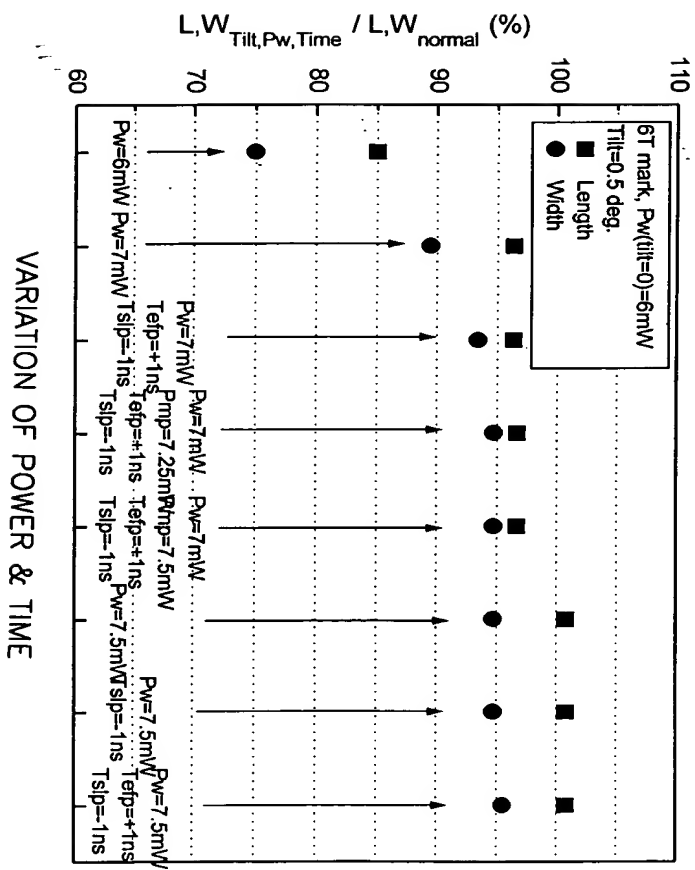
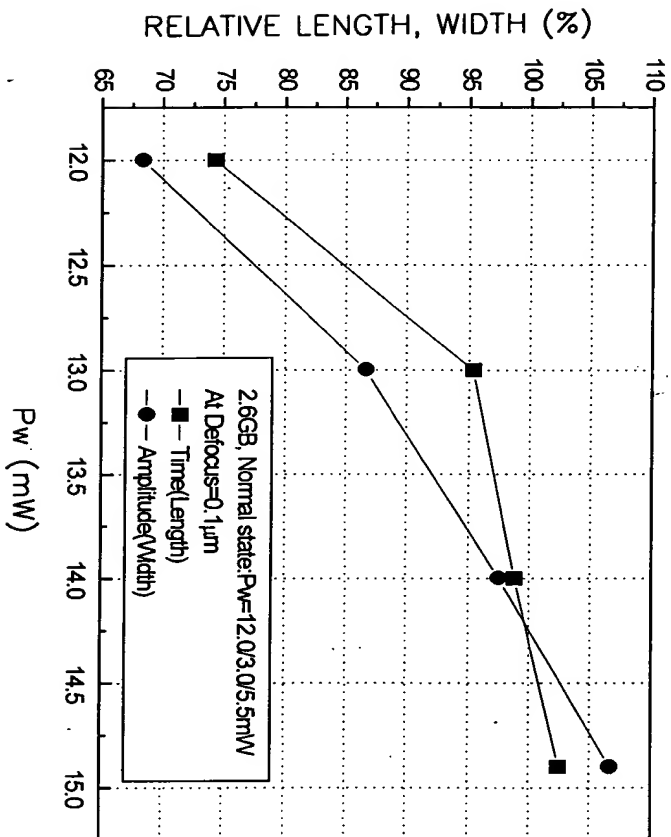
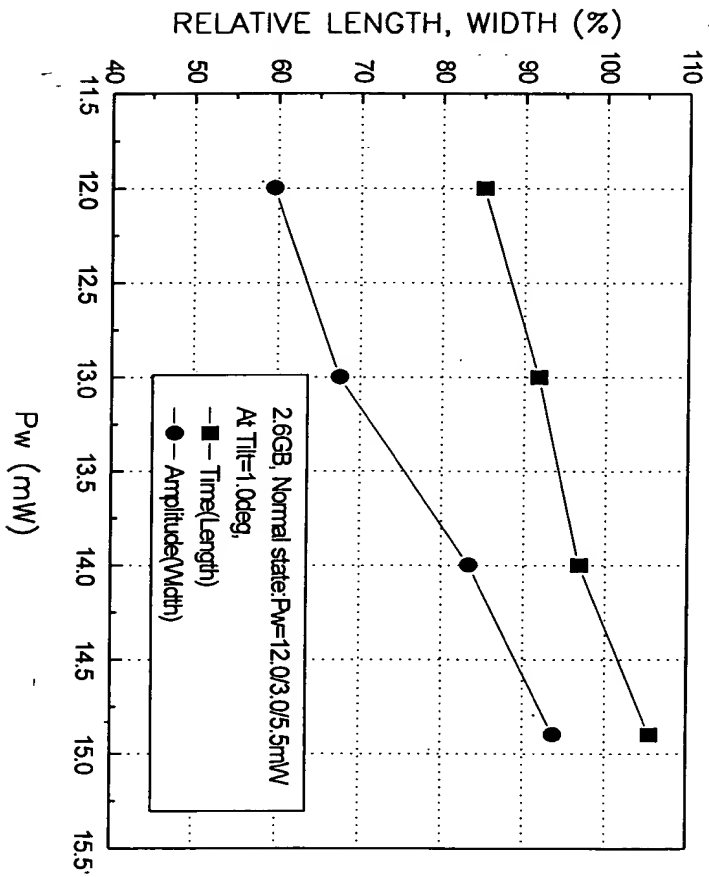


FIG. 25



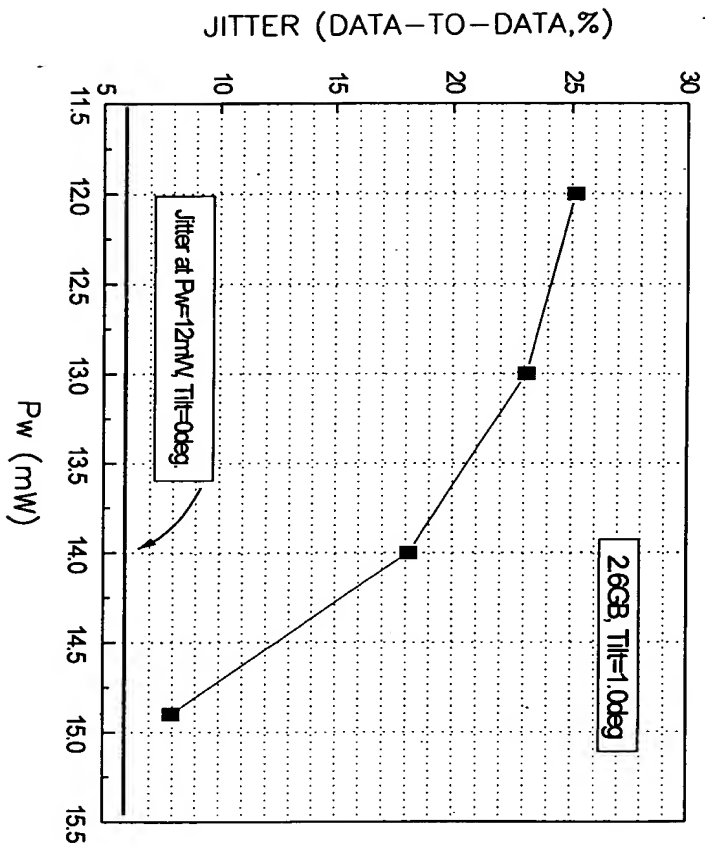
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FIG. 26



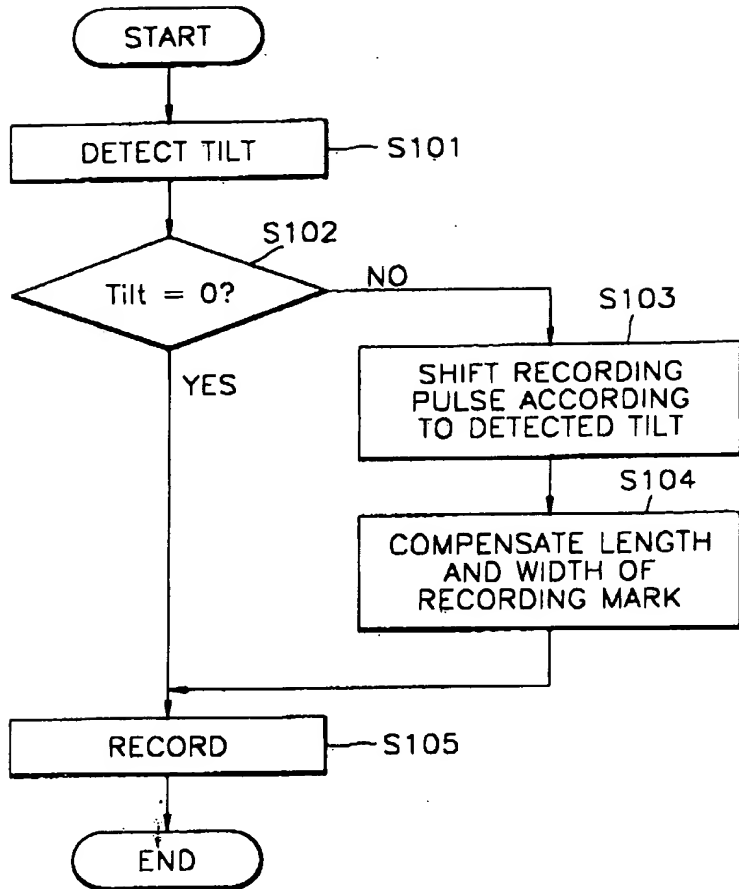
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FIG. 27



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FIG. 28



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FIG. 29

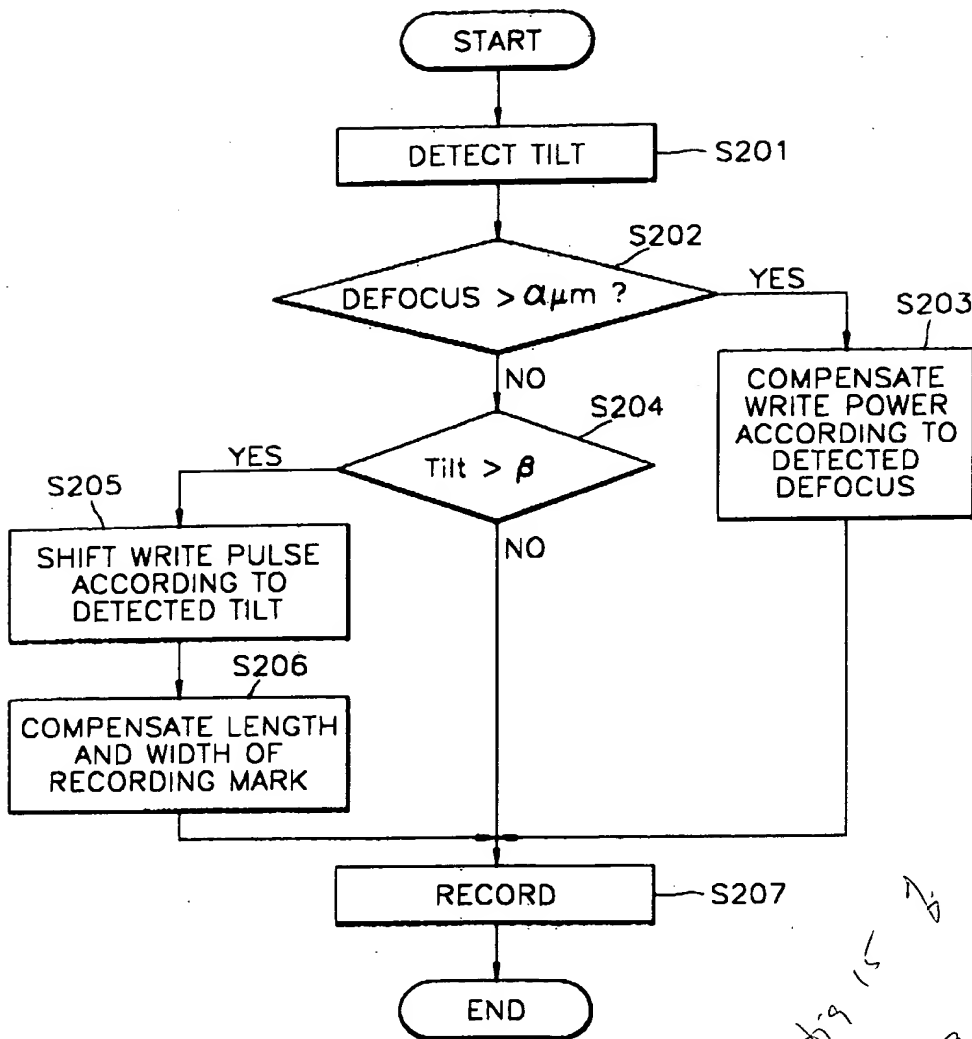


Fig 15
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FIG. 30

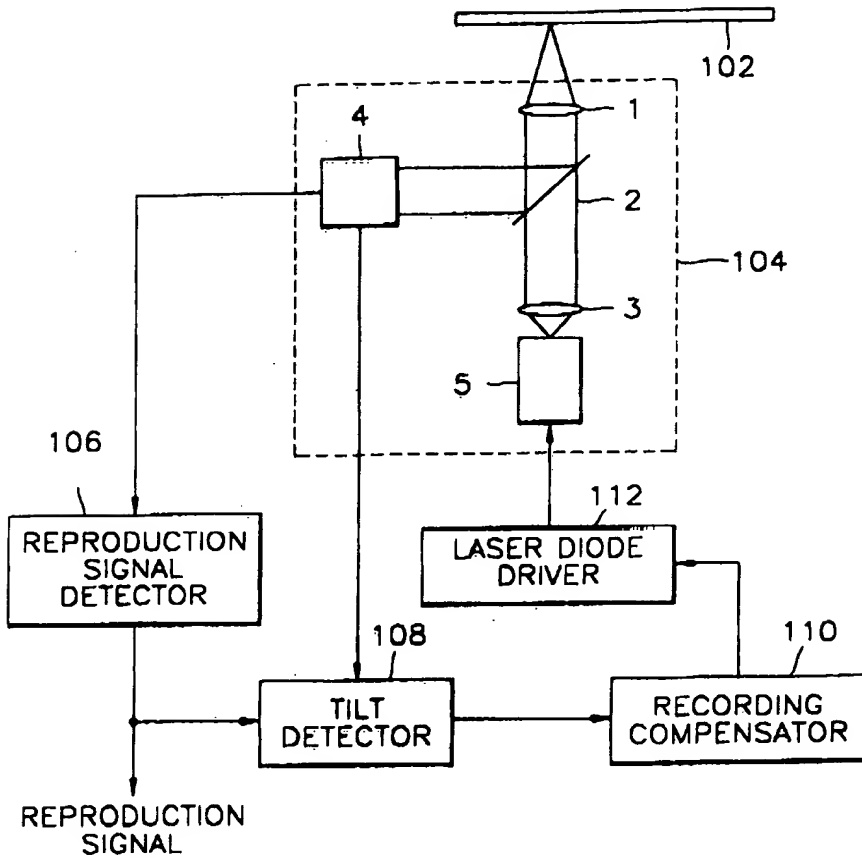
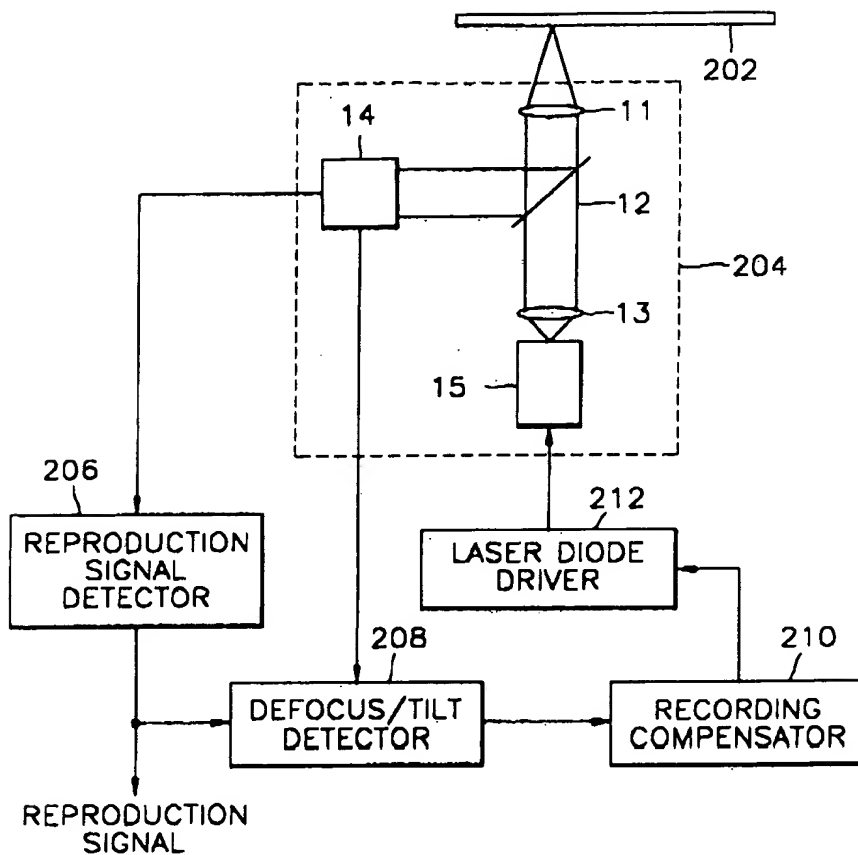


FIG. 31



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